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Lab - Program - 3

Create a class Book which contains four members. book name, author, Price & num. pages. Include a constructor to set the values for the members. Include toString() to method that could display the complete details of the books.

Algorithm:-

- 1) Create a class Book with constructor then
- 2) create a function of toString() which should return string type.
- 3) Create class TestBook in that class function where we create array of objects and call the Book class.

```
import java.util.Scanner;
```

```
class TestBook {
```

```
    public static void main(String args[]) {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("Enter the Number of Books: ");
```

```
        int n = sc.nextInt();
```

```
        Book B[] = new Book[n];
```

```
        for (int i = 0; i < n; i++) {
```

```
            B[i] = new Book(); // System.out.println("Output");
```

```
        } for (int i = 0; i < n; i++) {
```

```
            System.out.println(B[i]);
```

```
        } System.out.println();
```

```
    }
```


class Book2

```
String book_name, book-author;  
int price, num-pages;  
Book() {
```

```
Scanner sc = new Scanner(System.in);  
System.out.print("Enter the Name of The Book : ");  
book_name = sc.nextLine();  
System.out.print("Enter the Author of book " +  
book_name + " : ");  
book-author = sc.nextLine();  
System.out.print("Enter the Price of book " +  
book_name + " : ");  
price = sc.nextInt();
```

```
System.out.print("Enter the Number of pages of  
book : ");
```

```
num-pages = sc.nextInt();  
sc.nextLine();
```

```
System.out.println();  
}
```

```
public String toString() {
```

```
return ("Name of Book : " + this.book_name + "\n  
Author : " + this.book-author + "\n  
Price : " + this.price  
+ "\nNumber of Pages : " + this.num-pages);  
}
```

```
}
```

Output

1.11)